Altronix®

NetWaySP41BTPL

4-port Hardened 4PPoE (802.3bt) Switch with Integral Power on a Backplane

Netway SPECTRUM

Altronix NetWaySP41BTPL supports up to 90W per port (240W total power) for deploying the latest high-powered IP devices in remote locations. It is equipped with two (2) 1Gb SFP ports to transmit data at long distances and four (4) 802.3bt compliant Ethernet ports. NetWaySP41BTPL accommodates single/multi-mode fiber cable to simultaneously deliver data from NetWay Spectrum head-end media converters/injectors.

NetWaySP41BTPL

Key Features

- Four (4) 10/100/1000 Mbps Ethernet ports rated at 90W each (limited to 240W total power)

- IEEE 802.3af, 802.3at, 802.3bt compliant

- Two (2) Gigabit SFP ports

- Built-in charger for LiFePO$_4$ (Lithium Iron Phosphate) or sealed lead acid or gel type batteries

- CE European Conformity

- Switch and power supply are factory mounted on a backplane

Similar products

NetWaySP41BTWPX	Outdoor 4-port Hardened 4PPoE Switch with Integral Power in NEMA 4/4X, IP66-11 enclosure which accommodates stand-by batteries
NetWaySP41BTWP	Outdoor 4-port Hardened 4PPoE Switch with Integral Power in NEMA 4/4X, IP66-11 enclosure
NetWaySP41BTWPN	Outdoor 4-port Hardened 4PPoE Switch in NEMA 4/4X, IP66-11 enclosure
NetWaySP41BTX	4-port Hardened 4PPoE Switch with Integral Power in NEMA 1 Rated indoor enclosure
NetWaySP41BTB	4-port Hardened 4PPoE Switch (board only)

Accessories (order separately)

SFP Modules - Hot Pluggable Transceivers
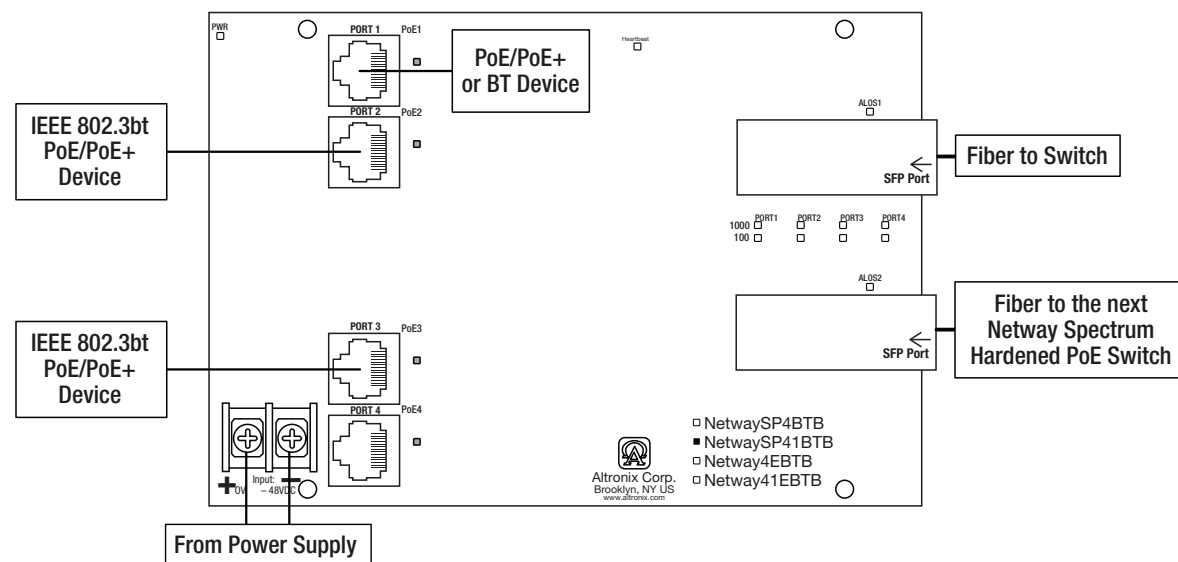|	
P1MM	Multi-Mode SFP Module for distances up to 550m
P1SM10	Single-Mode SFP Module for distances up to 10km
P1AB2K	Single Strand SFP Module for distances up to 2km
P1GCE	Copper SFP Module for distances up to 100m

NetWaySP1A
Ethernet over Fiber Media Converter/Repeater for Applications Requiring an Additional SFP (Fiber) Port
NetWaySP1A PoE powered media converter/repeater converts 10/100/1000 Mbps to Fiber (1000Base-X/SX/LX).

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Typical Application

Specifications

Input
Voltage	115VAC, 60Hz, 1.8A or 230VAC, 50/60Hz, 1A
Input Fuse	5A/250V

Power Output
Maximum Power Four (4) PoE ports rated at 90W each, 240W total power
IEEE 802.3af (15W), IEEE 802.3at (30W), IEE 802.3bt (90W) compliant
Integral surge protection

SFP Ports: Two (2) Gigabit SFP ports

Ethernet Ports: Four (4) 10/100/1000 Mbps ports
Connectivity: RJ45, auto-crossover
Wire type: 4-pair CAT5e or higher structured cable
Speed: 10/100/1000 Mbps, half/full duplex, auto negotiation

Battery Charging
Type 24VDC charging circuit charges LiFePO$_4$ (Lithium Iron Phosphate) or sealed lead acid or gel type batteries (require separate ventilated enclosure)
Failover Upon AC loss, instantaneous
Batteries are sold separately

Indicators (LED)
Individual **PoE On** LEDs for each port
Individual **IP Link status, 10/100/1000 Base-T/active** LEDs for each port
ALOS LED indicates fiber connection for SFP port
Heartbeat LED indicates proper operation of the unit

Agency Listings
CE   European Conformity

Physical and Environmental
Dimensions (H x W x D approx.):
Backplane:	10.75" x 8.875" x 2.375" (273.1mm x 225.4mm x 60.3mm)
Shipping:	12" x 10" x 8" (304.8mm x 254mm x 203.2mm)

Weight (approx.)
Product:	2.6 lb. (1.18 kg)
Shipping:	4.0 lb. (1.81 kg)

Temperature
Operating:
240W:	– 40ºC to 55ºC (– 40ºF to 131ºF)
180W:	– 40ºC to 65ºC (– 40ºF to 149ºF)
150W:	– 40ºC to 75ºC (– 40ºF to 167ºF)
Storage:	– 40ºC to 85ºC (– 40ºF to 185ºF)

Relative Humidity:	85% +/– 5%
BTU/Hr. (approx.):	122 BTU/Hr.
Operating Altitude:	– 304.8 to 2,000m